CLAIMS

What is claimed is:

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1. A method for management of a distributed data processing system, wherein the distributed data processing system is managed on behalf of a plurality of management customers, the method comprising:

representing the distributed data processing system as a set of scopes, wherein a scope comprises a logical organization of network-related objects;

associating each scope with a management customer, wherein each scope is uniquely assigned to a management customer, wherein each scope is uniquely associated with a set of configuration parameters for managing each scope;

managing the distributed data processing system as a set of logical networks, wherein a logical network comprises a set of scopes, and wherein each logical network is uniquely assigned to a management customer; and

allowing an administrative user to dynamically reconfigure logical networks within the distributed data processing system.

- 25 2. The method of claim 1 further comprising:

 dynamically reconfiguring the distributed data

 processing system to introduce a new scope by logically
 dividing a pre-existing scope.
- 30 3. The method of claim 2 wherein the new scope is introduced without physically introducing a new network, system, or endpoint to the distributed data processing system.

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- 4. The method of claim 1 further comprising:

 dynamically reconfiguring the distributed data

 processing system by logically moving a scope between

 management customers.
 - 5. The method of claim 1 further comprising: dynamically reconfiguring the distributed data processing system to introduce a new management customer.
 - 6. The method of claim 5 wherein the new management customer is introduced without physically introducing a new network, system, or endpoint to the distributed data processing system.
 - 7. The method of claim 1 further comprising:
 dynamically discovering endpoints, systems, and
 networks within the distributed data processing system;
 correspondingly representing endpoints, systems, and
 networks within the distributed data processing system as a
 set of endpoint objects, system objects, and network
 objects; and

logically organizing the endpoint objects, system objects, and network objects within a set of scopes, wherein each endpoint object, each system object, and each network object is uniquely assigned to a scope such that scopes do not logically overlap.

- 8. The method of claim 7 wherein dynamic discovery is limited to a scope assigned to a particular management customer.
 - 9. The method of claim 1 further comprising:

determining whether to allow a reconfiguration operation requested by an administrative user in accordance with security authorization parameters associated with an administrative user.

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10. The method of claim 9 further comprising:
 limiting reconfiguration operations requested by an administrative user to scopes assigned to a particular management customer.

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11. An apparatus for management of a distributed data processing system, wherein the distributed data processing system is managed on behalf of a plurality of management customers, the apparatus comprising:

means for representing the distributed data processing system as a set of scopes, wherein a scope comprises a logical organization of network-related objects;

means for associating each scope with a management customer, wherein each scope is uniquely assigned to a management customer, wherein each scope is uniquely associated with a set of configuration parameters for managing each scope;

means for managing the distributed data processing system as a set of logical networks, wherein a logical network comprises a set of scopes, and wherein each logical network is uniquely assigned to a management customer; and

means for allowing an administrative user to dynamically reconfigure logical networks within the distributed data processing system.

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12. The apparatus of claim 11 further comprising:
 means for dynamically reconfiguring the distributed
data processing system to introduce a new scope by logically
dividing a pre-existing scope.

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13. The apparatus of claim 12 wherein the new scope is introduced without physically introducing a new network, system, or endpoint to the distributed data processing system.

14. The apparatus of claim 11 further comprising:

means for dynamically reconfiguring the distributed

data processing system by logically moving a scope between

management customers.

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15. The apparatus of claim 11 further comprising:
 means for dynamically reconfiguring the distributed
data processing system to introduce a new management
customer.

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16. The apparatus of claim 15 wherein the new management customer is introduced without physically introducing a new network, system, or endpoint to the distributed data processing system.

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17. The apparatus of claim 11 further comprising:

means for dynamically discovering endpoints, systems,

and networks within the distributed data processing system;

means for correspondingly representing endpoints,

systems, and networks within the distributed data processing

system as a set of endpoint objects, system objects, and

network objects; and

means for logically organizing the endpoint objects, system objects, and network objects within a set of scopes, wherein each endpoint object, each system object, and each network object is uniquely assigned to a scope such that scopes do not logically overlap.

- 18. The apparatus of claim 17 wherein dynamic discovery is limited to a scope assigned to a particular management customer.
 - 19. The apparatus of claim 11 further comprising:

means for determining whether to allow a reconfiguration operation requested by an administrative user in accordance with security authorization parameters associated with an administrative user.

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20. The apparatus of claim 19 further comprising:
 means for limiting reconfiguration operations requested
by an administrative user to scopes assigned to a particular
management customer.

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21. A computer program product on a computer readable medium for use in managing a distributed data processing system, wherein the distributed data processing system is managed on behalf of a plurality of management customers, the computer program product comprising:

instructions for representing the distributed data processing system as a set of scopes, wherein a scope comprises a logical organization of network-related objects;

instructions for associating each scope with a management customer, wherein each scope is uniquely assigned to a management customer, wherein each scope is uniquely associated with a set of configuration parameters for managing each scope;

instructions for managing the distributed data processing system as a set of logical networks, wherein a logical network comprises a set of scopes, and wherein each logical network is uniquely assigned to a management customer; and

instructions for allowing an administrative user to dynamically reconfigure logical networks within the distributed data processing system.

22. The computer program product of claim 21 further comprising:

instructions for dynamically reconfiguring the distributed data processing system to introduce a new scope by logically dividing a pre-existing scope.

23. The computer program product of claim 22 wherein the
new scope is introduced without physically introducing a new
network, system, or endpoint to the distributed data
processing system.

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24. The computer program product of claim 21 further comprising:

instructions for dynamically reconfiguring the distributed data processing system by logically moving a scope between management customers.

25. The computer program product of claim 21 further comprising:

instructions for dynamically reconfiguring the distributed data processing system to introduce a new management customer.

- 26. The computer program product of claim 25 wherein the new management customer is introduced without physically introducing a new network, system, or endpoint to the distributed data processing system.
- 27. The computer program product of claim 21 further comprising:

instructions for dynamically discovering endpoints, systems, and networks within the distributed data processing system;

instructions for correspondingly representing endpoints, systems, and networks within the distributed data processing system as a set of endpoint objects, system objects, and network objects; and

instructions for logically organizing the endpoint objects, system objects, and network objects within a set of scopes, wherein each endpoint object, each system object, and each network object is uniquely assigned to a scope such that scopes do not logically overlap.

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- 28. The computer program product of claim 27 wherein dynamic discovery is limited to a scope assigned to a particular management customer.
- 5 29. The computer program product of claim 21 further comprising:

instructions for determining whether to allow a reconfiguration operation requested by an administrative user in accordance with security authorization parameters associated with an administrative user.

30. The computer program product of claim 29 further comprising:

instructions for limiting reconfiguration operations requested by an administrative user to scopes assigned to a particular management customer.